



	EPA	MDNR	Republic (at stations)	Republic (at excavation)
<b>Volatile Organic Compounds</b>				
<i>Laboratory samples</i>	Analytes/method	Analytes/method	Analytes/method	
Summas - VOCs	EPA TO-15	VOCs		
Radiellos - VOC + H2S	Radiello Code 130		Radiello Code 130	
<i>Portable field monitoring</i>	Sensors/detection limits/measurement frequency	Sensors/detection limits/measurement frequency	Sensors/detection limits/measurement frequency	
AreaRae	CO - 1ppm	CO - 1ppm	N/A	
	VOCs - 1ppm	VOCs - 1ppm		
	H2S - 1ppm	H2S - 1ppm		
	SO2 - 1 ppm	SO2 - 1 ppm		
		O2		
		LEL - %		
MultiRae		VOCs - ppm		VOCs - ppm
		LEL - %		LEL - %
		H2S - ppm		H2S - ppm
		CO -ppm		CO -ppm
		O2 - %		O2 - %
		SO2 - 1 ppm		
ppbRae		VOCs		
ultraRae 3000		benzene		
Jerome H2S		H2S/0.1 ppm/as needed		
Nasal Ranger field Olfactometer		odor/variable/as needed		
<b>Atmospheric conditions</b>	NOAA/AWAS St. Louis International	Weatherpak at trailer	Model 05305 Wind Monitor-AQ	
Measurements tracked	wind speed	wind speed	wind speed	
	wind direction	wind direction	wind direction	
	precipitation	precipitation		
<b>Telemetry</b>	Viper	Rae systems		

	Rae System			
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\* Proposed air monitoring is  
anticipated to begin sampling  
approximately end of April 2015